



# PowerMasters Skills-Based Program

## Course List

The following 78 courses are divided into four "PowerPacks", designed as a progressive curriculum. These "PowerPacks" may be purchased separately or in a bundle and are available in DVD, CBT, and Web-based formats. First, important fundamentals are covered such as electrical safety and basic climbing skills. Then the program moves on to more advanced topics such as pole top equipment replacement and transformer trouble shooting.

### Powerpack 1:

1. Intro to Transmission and Distribution Systems
2. Transmission
3. Substations and Switchyards
4. Distribution
5. Safety in Transmission and Distribution Maintenance
6. Climbing Equipment
7. Climbing Wooden Poles
8. Electrical Safety
9. Overhead Distribution Systems
10. Using Tools
11. Service Installation - Overhead
12. Service Installation - Underground
13. Introduction to Metering
14. Rigging 1
15. Rigging 2
16. Rigging 3
17. Pole Framing
18. Setting Poles
19. Replacing Poles

### Powerpack 3:

1. Pole Top Equipment and Replacement 5
2. Pole Top Equipment and Replacement 6
3. Distribution Line Installation
4. Distribution Line Removal
5. Distribution Line Replacement 1
6. Distribution Line Replacement 2
7. Transformer Connections 1
8. Transformer Connections 2
9. Transformer Connections 3
10. Distribution Line Repair - Gloves
11. Hotsticks 1
12. Hotsticks 2
13. Troubleshooting Overhead Lines 1
14. Troubleshooting Overhead Lines 2
15. Safety in Underground Line Maintenance
16. URD Systems 1
17. URD Systems 2
18. Underground Cable Installation
19. Transformer Troubleshooting 1
20. Transformer Troubleshooting 2

### Powerpack 2:

1. Working on Distribution Poles 1
2. Working on Distribution Poles 2
3. Care and Testing of Tools and Equipment
4. Distribution Line Safety
5. System Protection and Monitoring
6. Safe Bucket Truck Operations
7. Multimeter Operation and Use
8. Bucket Truck Rescue
9. Safety in Overhead Line Maintenance 1
10. Safety in Overhead Line Maintenance 2
11. Using Line Test Equipment 1
12. Using Line Test Equipment 2
13. Tree Trimming
14. Hydraulic Derricks
15. Bucket Trucks 1
16. Bucket Trucks 2
17. Pole Top Equipment and Replacement 1
18. Pole Top Equipment and Replacement 2
19. Pole Top Equipment and Replacement 3

### Powerpack 4:

1. Transformer Troubleshooting 3
2. Transformer Troubleshooting 4
3. Safety in Meter Work
4. Pad-Mounted Transformers
5. Pad-Mounted Switchgear
6. Cable Splicing 1
7. Cable Splicing 2
8. Cable Terminations
9. URD Troubleshooting
10. Locating Secondary Faults
11. Locating Primary Faults
12. Safety in Substations and Switchyards
13. Voltage Regulators 1
14. Voltage Regulators 2
15. Power Transformers 1
16. Power Transformers 2
17. Circuit Breakers 1
18. Circuit Breakers 2

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